

Rec'd PCT/PTO 14 JUL 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

SO/ 1619
(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2003 (17.07.2003)

PCT

(10) International Publication Number
WO 03/058088 A1

(51) International Patent Classification⁷: F16D 65/20,
65/847

(21) International Application Number: PCT/GB02/00140

(22) International Filing Date: 14 January 2002 (14.01.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): ALCON
COMPONENTS LIMITED [GB/GB]; Apollo, Tam-
worth, Staffordshire B79 7TN (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): DE CORTANZE, André [FR/FR]; c/o Pescarolo-Sport, Technoparc des Vingt-Quatre Heures de Mond, F-72100 Le Mans (FR).

(74) Agents: CROSTON, David et al.; Withers & Rogers,
Goldings House, 2 Hays Lane, London SE1 2HW (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZM, ZW.

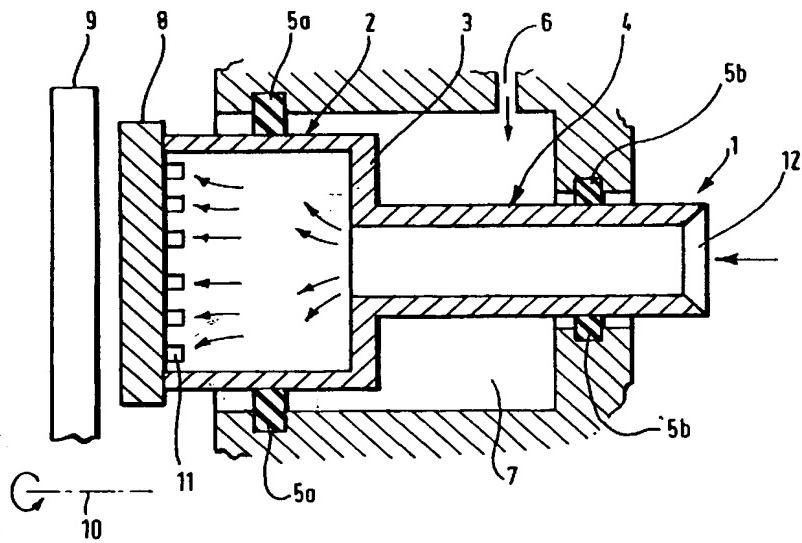
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COOLING ARRANGEMENT FOR BRAKE CALIPER



WO 03/058088 A1

(57) Abstract: The invention relates to a brake caliper with at least one axially displaceable, hydraulically actuated piston (1), with which a brake pad (8) can be pressed against a brake disc (9). The brake caliper is characterised in that the piston (1) defines a cavity with at least one inlet opening (12) for feeding a cooling medium into the cavity and an outlet opening (11) for discharging the cooling medium from the cavity. The inlet opening is spaced from the brake pad (8) and the outlet opening is arranged adjacent the pad (8).